RESTRICTED CIRCULATION

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AGRICULTURAL MEMORANDUM NO 741

Year to year variations in monthly means of 1 ft earth temperatures

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Details given in MO.665 were used to find the year to year variations in monthly means of 1 ft earth temperatures about a 30 year normal.

8 stations were used; four on heavy soils (Bath, Bolton, Cranwell and Wakefield) and 4 on light soils (Ross, Southport, Swansea and Wisley).

The deduced 10 year samples were as follows (°C deviations):-

Heavy Soils

	1	2	3	4	5	6	7	8	9	10
Jan	+2.7	+1.8	+1.2	+0.7	+0.3	-0.2	-0.7	-1.3	-1.9	-2.6
Feb	+2.7	+1.9	+1.3	+0.8	+0.4	-0.1	-0.6	-1.2	-2.1	-3.1
Mar	+2.7	+1.9	+1.3	+0.8	+0.4	0.0	-0.6	-1.1	-2.0	-3.4
Apr	+2.6	+1.6	+1.0	+0.5	+0.2	-0.1	-0.6	-1.1	-1.6	-2.5
May	+3.0	+2.0	+1.3	+0.7	+0.2	-0.2	-0.8	-1.3	-2.0	-2.9
Jun	+2.9	+1.7	+1.0	+0.6	+0.2	-0.3	-0.7	-1.2	-1.7	-2.5
Jul	+2.6	+1.6	+0.9	+0.5	+0.1	-0.3	-0.6	-1.0	-1.5	-2.3
Aug	+2.4	+1.4	+0.9	+0.4	0.0	-0.2	-0.6	-1.0	-1.3	-2.0
Sept	+2.6	+1.7	+1.1	+0.6	+0.2	-0.2	-0.6	-1.2	-1.7	-2.5
Oct	+2.9	+1.7	+1.1	+0.7	+0.3	-0.1	-0.6	-1.1	-1.8	-3.1
Nov	+3.0	+1.6	+1.0	+0.5	+0.1	-0.2	-0.6	-1.0	-1.7	-2.7
Dec	+2.8	+1.9	+1.3	+0.7	+0.3	-0.2	-0.8	-1.3	-1.9	-2.8

Light Soils

	1	2	3	4	5	6	7	8	9	10
Jan	+3.1	+2.1	+1.5	+0.9	+0.4	-0.2	-0.8	-1.6	-2.3	-3.1
Feb	+3.2	+2.2	+1.4	+0.9	+0.4	-0.2	-0.8	-1.5	-2.3	-3.3
Mar	+3.1	+2.0	+1.5	+0.9	+0.4	-0.1	-0.7	-1.3	-2.2	-3.6
Apr	+2.9	+1.8	+1.2	+0.7	+0.2	-0.2	-0.6	-1.2	-1.8	-3.0
May	+3.1	+2.0	+1.4	+0.8	+0.3	-0.2	-0.8	-1.4	-2.1	-3.1
Jun	+2.9	+1.8	+1.1	+0.6	+0.2	-0.3	-0.7	-1.2	-1.8	-2.6
Jul	+2.7	+1.7	+0.9	+0.5	+0.1	-0.3	-0.7	-1.0	-1.5	-2.4
Aug	+2.5	+1.4	+0.9	+0.4	+0.1	-0.2	-0.6	-1.0	-1.4	-2.1
Sept	+2.8	+1.9	+1.2	+0.7	+0.3	-0.2	-0.7	-1.2	-1.9	-2.9
Oct	+3.3	+1.9	+1.3	+0.8	+0.3	-0.1	-0.6	-1.2	-2.1	-3.6
Nov	+3.3	+1.8	+1.2	+0.7	+0.1	-0.2	-0.6	-1.2	-1.9	-3.2
Dec	+3.4	+2.2	+1.5	+0.9	+0.3	-0.3	-0.9	-1.6	-2.3	-3.2

Any comments or suggestions on this paper should be referred to the author.

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